

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-108
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

MERCEDES-BENZ AG

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Mercedes-Benz AG 1990 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

<u>Engine Family</u>	<u>Displacement</u>		<u>Exhaust Emission Control Systems</u>
	<u>Liters (Cubic Inches)</u>		<u>Special Features</u>
LMB9.97FAA3	9.97	(608)	(Smoke Puff Limiter) (Turbocharger) (Charge Air Cooler)

Engine models and codes are listed on attachments.

The following are the certification emission standards for this engine family:

<u>Hydrocarbons</u>	<u>Carbon</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
<u>gm/bhp-hr</u>	<u>Monoxide</u>	<u>gm/bhp-hr</u>	<u>gm/bhp-hr</u>
	<u>gm/bhp-hr</u>		
1.3	15.5	6.0	0.60

The following are the certification emission values for this engine family:

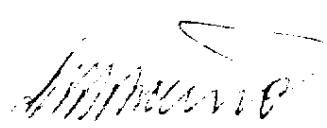
<u>Engine Family</u>	<u>Hydrocarbons</u>	<u>Carbon</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
	<u>gm/bhp-hr</u>	<u>Monoxide</u>	<u>gm/bhp-hr</u>	<u>gm/bhp-hr</u>
		<u>gm/bhp-hr</u>		
LMB9.97FAA3	0.4	1.6	5.3	0.34

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Health and Safety Code Section 43205.5).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 16th day of March, 1990.



K. D. Drachand, Chief
Mobile Source Division

COPY

E.O. # A-3-108Page 21990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Mercedes-Benz Engine Family LMB 9.97 FAA 3
Liter (CID) 9.97 (608) Eng. Type L5
Emission Control Sys. and (Special Features) SPL TC, CAC

Engine Model	Fuel Injection Pump Mfr. Part Number	Injector Mfr. Part Number	Maximum Rated HP at RPM	Fuel Rate mm ³ /stroke (lbs/Hr)	Maximum Rated Torque at RPM (lbs-ft)	Fuel Rate mm ³ /stroke (lbs/Hr)
OM 429 LA	Bosch PES5P120A720 LS7152	DLLA 134 S 999	250/2100	158...166 (91.5...96.1)	782/1200	182...194 (60.2...64.2)

Date of Issue _____

Revisions: _____

CARRYOVER FROM
MODEL YEAR 1989